

ILLINOIS POLLUTION CONTROL BOARD  
April 4, 1984

IN THE MATTER OF )  
 )  
RENUMBERING OF 35 ILL. ADM. CODE )  
901.105(f) (1), (2) and (3) to ) R85-8  
SECTIONS 901.110, 901.111 AND )  
901.112. )  
 )

RENUMBERED RULE

ORDER OF THE BOARD (by J. Marlin):

The three forging noise site-specific rules located at 35 Ill. Adm. Code 901.105(f)(1), (2) and (3) shall be renumbered at 35 Ill. Adm. Code 901.110, 901.111, and 901.112 respectively. This will involve a nonsubstantive change to 35 Ill. Adm. Code 901.105(f) and is therefore exempt from the notice requirements of the Illinois Administrative Procedure Act, Ill. Rev. Stat. 1983, ch. 127, pars. 1005, 1005.01. The Clerk is directed to file the following renumbered rules with the Illinois Secretary of State.

Section 901.105 Impact Forging Operations

- a) For purposes of this rule only the following are applicable:
- 1) Daytime hours shall mean any continuous 16 hour period between 6:00 a.m. and 11:00 p.m. local time; and
  - 2) Nighttime hours shall mean those 8 hours between 10:00 p.m. and 7:00 a.m. which are not part of the 16 continuous daytime hours.
  - 3) The reference time for Leq, as defined in 35 Ill. Adm. Code 900.101 is one hour.
  - 4) New Impacting Forging Operation is that property-line-noise-source comprised of impact forging operation on which construction began after September 1, 1982.
  - 5) Existing Impact Forging Operation is that property-line-noise-source comprised of impact forging operations which are in existence on September 1, 1982.

## b) Emission Limitations for New Impact Forging Operation

No impact forging operation shall cause or allow the emission of impulsive sound to any receiving Class A or B land which exceeds the allowable sound levels specified in the following table when measured at any point within such receiving land, provided however, that no measurement of sound levels shall be made less than 25 feet from such new impact forging operation's property-line.

Allowable Impulsive Sound Levels Emitted  
To Class A or B Land from New  
Impact Forging Operation

Class B Land	Class A Land	
	Daytime	Nighttime
59.5 Leq	53.5 Leq	48.5 Leq

## c) Limitations for Existing Impact Forging Operation

No existing impact forging operation shall cause or allow the emission of impulsive sound to any receiving Class A or B land which exceeds the allowable sound levels specified in the following table, when measured at any point within such receiving land, provided however, that no measurement of sound levels shall be made less than 25 feet from such existing impact forging operation's property-line, unless such forging operation is granted a permanent site specific allowable operational level pursuant to subparagraph (d).

Allowable Impulsive Sound Levels Emitted  
To Class A or B Land from Existing  
Impact Forging Operation

Class B Land	Class A Land	
	Daytime	Nighttime
64.5 Leq	58.5 Leq	53.5 Leq

## d) Site Specific Allowable Operational Level for Existing Impact Forging Operation

- 1) An existing impact forging operation which does not comply with subparagraph (c) may seek a permanent site specific allowable operational level from the Board. A permanent site specific level is that level of operation allowed petitioner after review and approval by the Board and after implementation of abated measures, if any, approved by the Board.
- 2) Any existing impact forging operation seeking a permanent site specific operational level must submit as its petition the following:

- A) The location of the petitioner, a description of the surrounding community, and a map locating the petitioner within the community;
  - B) A description of the petitioner's operations, the number and size of the petitioner's forging hammers, the current hours of hammer operation, the approximate number of forgings manufactured during each of the three prior calendar years and the approximate number of hammer blows used to manufacture the forgings.
  - C) A description of any existing sound abatement measure;
  - D) The sound levels in excess of those permitted by subparagraph (c) emitted by the petitioner into the community, in 5 decibel increments measured in Leq, shown on the map of the community.
  - E) The number of residences exposed to sound levels in excess of those permitted by subparagraph (c);
  - F) A description of other significant sources of noise (mobile and stationary) and their location shown on the map of the community;
  - G) A description of the proposed operational level and proposed physical abatement measures, if any, a schedule for their implementation and their costs;
  - H) The predicted improvement in community sound levels as a result of implementation of the proposed abatement measures; and
  - I) A description of the economic and technical considerations which justify the permanent site specific allowable operational level sought by petitioner.
- 3) An existing impact forging operation seeking a permanent site specific operational level shall prepare and file its petition with the Board and Agency as applicable no later than December 1, 1983.
- 4) The Agency shall prepare a written evaluation regarding each petition seeking a permanent site specific operational level and shall file said evaluation within ninety (90) days following receipt of the petition with both the Board and the petitioner.

## e) Land Use Classifications Preserved

The land use classifications in effect within a one-mile radius of an existing impact forging operation on September 1, 1982 shall remain the applicable land use classification for enforcement of these rules against an existing forging operation and any future modification thereof, regardless of actual subsequent changes in land use unless such actual changes would impose less restrictive limitations on the impact forging operations.

## f) Site-Specific Operational Levels

Each individual existing forging operation identified below in Sections 901.110, 901.111, and 901.112 must comply with the site-specific operational level defined, or is otherwise subject to Section 901.105(c).

1) Amforge Division of Rockwell International located at 119th Street, Chicago, Illinois shall:

- A) Operate only ten forging hammers at any one time; and
- B) Operation of its forging hammers is limited to the hours of 7:00 a.m. through 11:00 p.m., with occasional operations beginning at 6:00 a.m. and ending at midnight, Monday through Saturdays; and
- C) Sound absorptive materials shall be installed on each of the forging hammer structures as each is routinely overhauled, but no later than January 1, 1987.

2) Modern Drop Forge Company located at 139th Street and Western Avenue in Blue Island, Illinois shall:

- A) Operate only twenty-one forging hammers at any one time; and
- B) Operate its forging hammers only during the hours of 6:00 a.m. through midnight, Mondays through Fridays, and 6:30 a.m. until 7:30 p.m. on Saturdays.

3) Wyman-Gordon Company located at 147th Street and Wood Street, Harvey, Illinois shall:

- A) Operate only six forging hammer units, each consisting of two hammers, after January 1, 1984.

- B) Operate forging units in Buildings 6 and 7, located at the southern perimeter of the Wyman-Gordon Company's Harvey facility, to produce no more than 20% of the total annual hammer production at the Harvey facility.
- C) Operate forging units between the hours of 6:00 a.m. and midnight, limit forging operations on Saturdays and Sundays to no more than half a year's total, and limit forging operations during the hours of 6:00 a.m. and 7:00 a.m. and 11:00 p.m. and midnight to less than 2% of the Harvey's facility total annual hammer production, and
- D) Consolidate the two existing steel inventory yards at the one located north of Building 75 no later than January 1, 1984.

Section 901.110 Amforge Operational Level

Amforge Division of Rockwell International located at 119th Street, Chicago, Illinois shall:

- a) Operate only ten forging hammers at any one time; and
- b) Operation on its forging hammers is limited to the hours of 7:00 a.m. through 11:00 p.m., with occasional operations beginning at 6:00 a.m. and ending at midnight, Monday through Saturdays; and
- c) Sound absorptive materials shall be installed on each of the forging hammer structures as each is routinely overhauled, but no later than January 1, 1987.

Section 901.111 Modern Drop Forge Operational Level

Modern Drop Forge Company located at 139th Street and Western Avenue in Blue Island, Illinois shall:

- a) Operate only twenty-one forging hammers at any one time; and
- b) Operate its forging hammers only during the hours of 6:00 a.m. through midnight, Mondays through Fridays, and 6:30 a.m. until 7:30 p.m. on Saturdays.

Section 901.112 Wyman-Gordon Operational Level

Wyman-Gordon Company located at 147th Street and Wood Street, Harvey, Illinois shall:

- a) Operate only six forging hammer units, each consisting of two hammers, after January 1, 1984.

- b) Operate forging units in Buildings 6 and 7, located at the southern perimeter of the Wyman-Gordon Company's Harvey facility, to produce no more than 20% of the total annual hammer production at the Harvey facility;
- c) Operate forging units between the hours of 6:00 a.m. and midnight; limit forging operations on Saturdays and Sundays to no more than half a year's total; and limit forging operations during the hours of 6:00 a.m. and 7:00 a.m. and 11:00 p.m. and midnight to less than 2% of the Harvey's facility total annual hammer production; and
- d) Consolidate the two existing steel inventory yards at the one located north of Building 75 no later than January 1, 1984.

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above Order was adopted on the 4<sup>th</sup> day of April, 1985 by a vote of 5-0.

Dorothy M. Gunn  
Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board